

GRAYCARY

4365 Executive Drive, Suite 1100
San Diego, CA 92121-2133
www.graycary.com
O] 858-677-1456
F] 858-677-1465

15750 U.S.PTO
123003
December 30, 2003

ATTORNEY DOCKET NO.: INTEL1270-1(P12045X)

ATTN: MAIL STOP PATENT APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the new Utility patent application of:

APPLICANTS: ANDREW BERLIN; STEVEN J. KIRCH; GABI NEUBAUER;
VALLURI RAO and MINEO YAMAKAWA

TITLE: NUCLEIC ACID SEQUENCING BY RAMAN MONITORING OF
UPTAKE OF NUCLEOTIDES DURING MOLECULAR
REPLICATION

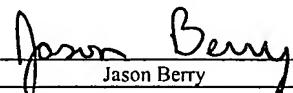
Enclosed are the following papers, including all those required to receive a filing date under 37 CFR § 1.53(b):

Number of Pages

Specification	34
Claims	4
Abstract	1
Declaration	7
Drawing(s) – [formal]	9

"EXPRESS MAIL" Mailing Label Number: EV 318 740 796 US
Date of Deposit: December 30, 2003

I hereby certify under 37 CFR§ 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office To Addressee" with sufficient postage on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Jason Berry

031088 U.S.PTO
10/750315
123003


GRAY CARY WARE & FREIDENRICH LLP

ATTORNEY DOCKET NO.: INTEL1270-1(P12045X)

ATTN: MAIL STOP PATENT APPLICATION

December 30, 2003

Page 2

Enclosure(s):

- Application Data Sheet (4 pages)
- Check No. 551341 in the amount of \$1,040.00
- Return Receipt Postcard

Applicant(s) claim **LARGE ENTITY** status in the above-identified application.

The filing fee is calculated as follows:

	Number Filed		Number Extra		Rate			Fee	
					Large Entity	Small Entity		Large Entity	Small Entity
Total Claims	35-20	=	15	X	\$18	\$09	=	\$270.00	\$ 0.00
Independent Claims	3 -3	=	0	X	\$86	\$43	=	\$ 0.00	\$ 0.00
Multiple Dependent Claims Presented:	____ Yes <input checked="" type="checkbox"/> No				\$280	\$140		\$ 0.00	\$ 0.00
					BASIC FEE			\$770.00	\$385.00
					TOTAL FEE			\$1040.00	\$ 0.00

Check No. 551341 is enclosed as payment of the **FILING FEE**. The Commissioner is hereby authorized to apply any other required fees or any credits to Deposit Account No. 50-1355, referencing the attorney docket number shown above. A copy of this Transmittal Sheet is enclosed.

GRAY CARY WARE & FREIDENRICH LLP

ATTORNEY DOCKET NO.: INTEL1270-1(P12045X)

ATTN: MAIL STOP PATENT APPLICATION

December 30, 2003

Page 3

If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

A duplicate copy of this letter is enclosed. Kindly acknowledge receipt of this application by returning the enclosed postcard.

All future correspondence should be addressed to:

Lisa A. Haile, J.D., Ph.D.
GRAY CARY WARE & FREIDENRICH LLP
4365 Executive Drive, Suite 1100
San Diego, CA 92121-2133
Telephone: (858) 677-1456
Facsimile: (858) 677-1465
USPTO Customer Number 28213

Respectfully submitted,

GRAY CARY WARE & FREIDENRICH LLP



Lisa A. Haile, J.D., Ph.D.
Registration No. 38,347

December 30, 2003

Date

LAH/EJV/kdl
Enclosures